


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>UKAS CALIBRATION</p> <p>0834</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Bellingham + Stanley Ltd</h3> <p>Issue No: 004 Issue date: 11 December 2009</p>	
	<p>Longfield Road Tunbridge Wells Kent TN2 3EY</p>	<p>Contact: Mr Andrew Darkins Tel: +44 (0)1892 500400 Fax: +44 (0)1892 543115 E-Mail: sales@bellinghamandstanley.co.uk Website: www.bellinghamandstanley.com</p>
<p>Calibration performed at the above address only</p>		

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks
POLARIMETERS			
Optical rotation	-34°Z to -26°Z 13°Z to 17°Z 95°Z to 105°Z	0.017°Z 0.017°Z 0.019°Z	
	Other values in the range -34°Z to 105°Z at 589.44 nm between 10°C - 30°C	0.05°Z	
	546 – 900 nm	0.017°Z	Values for Quartz Control Plates calculated using ICUMSA equations 3 & 6 from SPS-1 (2007)
REFRACTOMETERS			
Refractive index Calibration samples (RI)	Oils and Solid Plates		
	1.30 to 1.54 above 1.54 to 1.62	0.00003 0.00010	Values at 20.0°C and 589.3 nm
Calibration samples (° Brix)	a) Sucrose		
	0-30 above 30-60	0.01 0.02	
	b) AG Fluids		
	0-40	0.02	
END			